A mako, Isurus oxyrinchus, *off San Diego, California. (Photo by Jeremiah S. Sullivan)*

INDEX

Volume 24 (1981)

Number 1, Spring, The Oceans as Waste Space?: Edward D. Goldberg *The Oceans As Waste Space: The Argument* — Kenneth S. Kamlet *The Oceans As Waste Space: The Rebuttal* — James P. Walsh *U.S. Policy on Marine Pollution: Changes Ahead* — Judith M. Capuzzo *Predicting Pollution Effects in the Marine Environment* — Charles B. Officer and John H. Ryther *Swordfish and Mercury: a Case History* — Frank Cordle *The FDA Responds: Mercury Levels in Fish* — Alan J. Mearns *Ecological Effects of Ocean Sewage Outfalls: Observations and Lessons* — Ralph F. Vaccaro, Judith M. Capuzzo, and Nancy H. Marcus *The Oceans and U.S. Sewage Sludge Disposal Strategy* — G. T. Needler and W. L. Templeton *Radioactive Waste: The Need to Calculate an Oceanic Capacity.*

Number 2, Summer, general issue: John D. Milliman *The U.S. Oceanographic Experience in China* — David R. Watters *Linking Oceanography to Prehistoric Archaeology* — Thomas M. Leschine *The Panamanian Sea-level Canal* — Richard G. B. Brown *Seabirds at Sea* — a picture essay *Some Midwater Fishes* — John W. H. Dacey *How Aquatic Plants Ventilate* — John M. Hunt *The Origin of Petroleum* — Judith Spiller and Alison Rieser *Regulating Oil and Gas Activities in the Flower Garden Banks.*

Number 3, Fall, Oceanography from Space: Richard Goody *Satellites for Oceanography — the Promises and the Realities* — Clifford C. Ewing *From Antiquity Onward* — W. Stanley Wilson *Oceanography from Satellites?* — Carl Wunsch *The Promise of Satellite Altimetry* — James J. O'Brien *The Future for Satellite-derived Surface Winds* — Wayne E. Esaias *Remote Sensing in Biological Oceanography* — W. F. Weeks *Sea Ice: The Potential of Remote Sensing* — Francis P. Bretherton *Climate, the Oceans, and Remote Sensing* — D. R. Montgomery *Commercial Applications of Satellite Oceanography* — Robert H. Stewart *Satellite Oceanography: the Instruments — Glossary.*

Number 4, Winter, Sharks: Perry W. Gilbert *Introduction* — Leonard J. V. Compagno *Legend Versus Reality: The Jaws Image and Shark Diversity* — Joel L. Cohen *Vision in Sharks* — Sanford A. Moss *Shark Feeding Mechanisms* — Perry W. Gilbert *Patterns of Shark Reproduction* — a photo essay *Telemetry and Blue Sharks* — Paul R. Ryan *Electroreception in Blue Sharks* — Donald R. Nelson *Aggression in Sharks: Is the Gray Reef Shark Different?* — Samuel H. Gruber *Lemon Sharks: Supply-Side Economists of the Sea* — A. Peter Klimley *Grouping Behavior of the Scalloped Hammerhead* — Samuel H. Gruber *Shark Repellents: Perspectives for the Future — Advice to Swimmers, Divers, and Victims* — INDEX